

1                   ABSTRACT OF THE DISCLOSURE

2 [000209]       A wireless communication receiver comprises an antenna array and a  
3 joint searcher and channel estimator. Plural antenna elements of the array provide  
4 respective plural series of signals for successive sets of pilot data. The joint searcher  
5 and channel estimator essentially concurrently considers the plural series of signals  
6 provided by the plural antennas for determining both a time of arrival and channel  
7 coefficient. The joint searcher and channel estimator applies the channel coefficient  
8 and the time of arrival to a detector which provides, e.g., a symbol estimate.